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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Griffais et al.

Serial No.: 09/201,228

Group Art Unit: 1643

Filed: November 30, 1998

Examiner: To Be Assigned

For: CHLAMYDIA TRACHOMATIS
GENOMIC SEQUENCE AND
POLYPEPTIDES, FRAGMENTS
THEREOF AND USES THEREOF, IN
PARTICULAR FOR THE DIAGNOSIS,
PREVENTION AND TREATMENT OF
INFECTION

Attorney Docket No.: 9710-004

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56 and § 1.97

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 and § 1.97 to inform the Patent Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby direct the Examiner's attention to the references (AA-BJ) listed on the attached revised form PTO 1449 entitled "List of References Cited by Applicant". Copies of references AA-BJ are submitted herewith.

Identification of the listed references is not to be construed an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Consequently, Applicants respectfully decline to use form PTO-1449, since this form identifies all of the references cited therein as "Prior Art". As an alternative, Applicants submit herewith several pages of a "revised form PTO 1449" entitled "List of References Cited" instead of "List of Prior Art Cited".

Pursuant to 37 C.F.R. § 1.97(b)(3), since Applicants believe that this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, no fee is due. However, should the Patent Office determine otherwise, please charge the required

fee to Pennie & Edmonds LLP Deposit Account No. 16-1150. A duplicate of this sheet is enclosed for accounting purposes.

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Respectfully submitted,

Date June 24, 1999

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LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

9710-004-999

APPLICATION NO.

09/201,228

APPLICANT

Griffais et al.

FILING DATE

November 30, 1998

GROUP

1543

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	Altschul, S.F. et al., 1990, "Basic local alignment search tool", J. Mol. Biol. 215:403-410
AB	Altschul et al., 1997, "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucl. Acids Res. 25:3389-3402
AC	Bai, M. et al., 1993, "Mutations that alter an Arg-Gly-Asp (RGD) sequence in the adenovirus type 2 penton base protein abolish its cell-rounding activity and delay virus reproduction in flat cells", Virol. 67:5198-5205
AD	Fox, G. et al., 1989, "The cell attachment site on foot-and-mouth disease virus includes the amino acid sequence RGD (Arginine-Glycine-Aspartic Acid)", J. Gen. Virol. 70:625-637
AE	Gish et al., 1993, "Identification of protein coding regions by database similarity search", Nature Genetics 3:266-272
AF	Gonnet et al., 1992, "Exhaustive matching of the entire protein sequence database", Science 256:1443-1445
AG	Hackstadt, T. 1996, "Origins and functions of the chlamydial inclusion", Trends in Microbiol. 5:288-293
AH	Hayashi, S. & Wu, H.C., 1992, "Identification and characterization of lipid-modified proteins in bacteria", in N.M. Hooper and A.J. Turner (ed.), Lipid Modification of Proteins: A Practical Approach, Oxford University Press, New York, pp. 261-285
AI	Heinkoff & Heinkoff, 1993, "Performance evaluation of amino acid substitution matrices", Proteins 17:49-61
AJ	Higgins et al., 1996, "Using CLUSTAL for multiple sequence alignments", Meth. Enzymol. 266:383-402
AK	Hueck, C.J., 1998, "Type III protein secretion systems in bacterial pathogens of animals and plants", Molec. Biology Rev. 62:379-433
AL	Huovinen, P. et al., 1989, "Pharyngitis in adults: the presence and coexistence of viruses and bacterial organisms", Ann. Intern. Med. 110:612-616
AM	Karlin & Altschul, 1990, "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes", PNAS USA 87:2264-2268
AN	Lee, C.A., 1997, "Type III secretion systems: machines to deliver bacterial proteins into eukaryotic cells?", Trends Microbiol. 5:148-156
AO	Leininger, E. et al., 1991, "Pertactin, an Arg-Gly-Asp-containing <i>Bordetella pertussis</i> surface protein that promotes adherence of mammalian cells", PNAS USA 88:345-349

AP	Longbottom et al 98, "Molecular cloning and characterization of the genes coding for the highly immunogenic cluster of 90-kilodalton envelope proteins from the <i>Chlamydia psittaci</i> subtype that causes abortion in sheep", Infect. Immunol. 66:1317-1324
AQ	Lukacova, M. et al., 1994, "Lipopolysaccharide smooth-rough phase variation in bacteria of the genus <i>Chlamydia</i> ", Infect. Immunol. 62(6):2270-2276
AR	Morrison, R.P. et al., 1995, "Gene knockout mice establish a primary protective role for major histocompatibility complex class II-restricted responses in chlamydia trachomatis", Infect. Immun. 63:4661-4668
AS	Nakai, K. & Kanehisa, M., 1991, "Expert system for predicting protein localization sites in gram-negative bacteria", Proteins 11:95-110
AT	Nielsen, H. et al., 1997, "Identification of prokaryotic and eukaryotic signal peptides and prediction of their cleavage sites", Protein Engin. 10:1-6
AU	Pearson & Lipman, 1988, "Improved tools for biological sequence comparison", PNAS USA 85(8):2444-2448
AV	Peterson et al., 1988, "Protective role of magnesium in the neutralization by antibodies of <i>Chlamydia trachomatis</i> infectivity", Infect. Immun. 56(4):885-891
AW	Pierschbacher & Ruoslahti, 1987, "Influence of stereochemistry of the sequence Arg-Gly-Asp-Xaa on binding specificity in cell adhesion", J. Biol. Chem. 262:17294-17298
AX	Pugsley, A.P., 1993, "The complete general secretory pathway in gram-negative bacteria", (abstract) Microbiol. Rev. 57:50-108
AY	Rank, R.G. et al., 1988, "Susceptibility to reinfection after a primary chlamydial genital infection", Infect. Immun. 56:2243-2249
AZ	Raulston, J.E., 1995, "Chlamydial envelope components and pathogen--host cell interactions", Mol. Microbiol. 15:607-616
BA	Reeves, P.R. et al., 1996, in <u>Bacterial Polysaccharide Synthesis and Gene Nomenclature</u> , Elsevier Science Ltd., pp. 10071-10078, from Trends in Microbiology, 1996, 4(12):495-503
BB	Reisman, D. et al., 1996, "Recognition of a bacterial adhesin by an integrin: macrophage CR3 ($\alpha_M \beta_2$, CD11b/CD18) binds filamentous hemagglutinin of bordetella pertussis", Cell 61:1375-1382
BC	Roivainen, M. et al., 1994, "Entry of coxsackievirus A9 into host cells: specific interactions with $\alpha v \beta 3$ integrin, the vitronectin receptor", Virology 203:357-365
BD	Salzberg et al., 1988, "Microbial gene identification using interpolated Markov models", Nucl. Acids Res. 26:544-548
BE	Schacter, J. 1980, <u>Chlamydiae</u> , p. 357-365. In E.H. Lennette (ed.), Manual of clinical microbiology, 3 rd ed. American Society for Microbiology, Washington, D.C.
BF	Schnaitman, C.A. & Klena, J.D., 1993, "Genetics of lipopolysaccharide biosynthesis in enteric bacteria", Microbiol. Rev. 57:655-682
BG	Schneewind, O. et al., 1995, "Structure of the cell wall anchor of surface proteins in <i>Staphylococcus aureus</i> ", Science 268:103-106

	BH	Struyve, M. et al., 1991, "Carbox-terminal phenylalanine is essential for the correct assembly of a bacterial outer membrane protein", J.Mol. Biol. 218:141-148
	BI	Sutcliffe, I.C. & Russel, R.R.B., 1995, "Lipoproteins of gram-positive bacteria", J. Bacteriol. 177:1123-1128
	BJ	Thompson et al., 1994, "CLUSTAL W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, position-specific gap penalties and weight matrix choice", Nucl. Acids Res. 22(2):4673-4680
EXAMINER		DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		

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